

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-129
Relating to Certification of New Motor Vehicles

NISSAN MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JNS2.4T5FAC9	2.4 (145.8)	Exhaust Gas Recirculation Air Injection - Valve Three-Way Catalyst Oxygen Sensor (Central Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	9.0	1.0

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.18	4.4	0.4

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

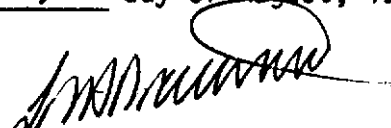
BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with Health and Safety Code Section 43204.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 7th day of August, 1987.


K. D. Drachand, Chief
Mobile Source Division

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Page 1

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5FAC9

Evaporative Family: TBI-1 Engine Type: In-line 4, OHC

Liters (CID): 2.4 (145.8)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor

Exhaust Emission Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
DBC-Dual Bed Catalyst
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
SPL-Smoke Puff Limiter or Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
EIC-Electronic Injection Control
TWC-Three-Way Catalyst System
ECC-Electronic Control Carburetor
ECCS-Electronic Concentrated Control System
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor
WUOC-Warm-Up Oxidation Catalyst
WUTWC-Warm-Up Three-Way Catalyst

Special Features

CCV-Combustion Chamber Valve
CFI-Central Fuel Injection or Throttle Body Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
EFI-Electronic Fuel Injection
IC-Intercooler or Aftercooler
TC-Turbocharger
OBD-On-Board Diagnostics
MFI-Mechanical Fuel Injection

VEHICLE MODELS:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AZ241CM2	NISSAN STANDARD REGULAR BED	4-speed Manual
	NISSAN E REGULAR BED	5-speed Manual
	NISSAN E LONG BED	
	NISSAN E KING CAB	
	NISSAN XE KING CAB	

Engine: Front X Mid. _____ Rear _____

Drive : FWD _____ RWD X 4WD Full Time _____ 4WD Part Time _____

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Page 2

Passenger Cars _____ Light-Duty Trucks X Medium-Duty Vehicles _____ Gas X Diesel _____

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5FAC9
 Litter (CID): 2.4 (145.8) Eng. Type: In-line 4, OHC
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst *** Part No.
AZ24ICM2	NISSAN STANDARD REGULAR BED (11.7)	M4	3125	Distributor D4P84-04	SPI Body Assembly RGA50-35	EGR Valve AEY76-88	xx, xX
				TOT80671			xx, xY
	NISSAN E REGULAR BED (11.7)	M5	3250	Control Unit MECS-G325	Control Unit MECS-G325		xx, xE
	NISSAN E LONG BED (12.2)					xx, xF	
	NISSAN E KING CAB (10.9)						
NISSAN XE KING CAB (10.9)		3375					

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

**EIW of these models are between 4000 - 5999 lbs.

***The figures and numbers in the place of the mark x are variable according to lot number and production date.

Issue Date: 04/01/87

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Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5FAC9

Evaporative Family: TBI-1 Engine Type: In-line 4, OHC

Liters (CID): 2.4 (145.8)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
 EEC-Electronic Engine Control
 EI-Electronic Ignition
 ESAC-Electronic Spark Advance Control
 VA-Vacuum Advance
 VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor

Exhaust Emission Control System

AIP-Air Injection-Pump
 AIV-Air Injection-Valve
 DBC-Dual Bed Catalyst
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 OC-Oxidation Catalyst System
 SPL-Smoke Puff Limiter or Throttle Delay
 TOC-Trap Oxidizer, Continual
 TOP-Trap Oxidizer, Periodical
 EIC-Electronic Injection Control
 TWC-Three-Way Catalyst System
 ECC-Electronic Control Carburetor
 ECCS-Electronic Concentrated Control System
 OS-Oxygen Sensor
 HOS-Heated Oxygen Sensor
 WUOC-Warm-Up Oxidation Catalyst
 WUTWC-Warm-Up Three-Way Catalyst

Special Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection or Throttle Body Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 EFI-Electronic Fuel Injection
 IC-Intercooler or Aftercooler
 TC-Turbocharger
 OBD-On-Board Diagnostics
 MFI-Mechanical Fuel Injection

VEHICLE MODELS:

Engine Code

Model

Transmission

BZ24ICM2	-----	NISSAN STANDARD REGULAR BED	-----	4-Speed Manual
	}	NISSAN E REGULAR BED	-----	5-Speed Manual
		NISSAN E LONG BED		
		NISSAN E KING CAB		
		NISSAN XE KING CAB		

Engine: Front X Mid. _____ Rear _____

Drive : FWD _____ RWD X 4WD Full Time _____ 4WD Part Time _____

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Passenger Cars _____ Light-Duty Trucks X Medium-Duty Vehicles _____ Gas X Diesel _____

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5FAC9
 Litter (CID): 2.4 (145.8) Eng. Type: In-line 4, OHC
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst *** Part No.
BZ24ICM2	NISSAN STANDARD REGULAR BED (11.7)	M4	3125	Distributor D4P84-04	SPI Body Assem- bly	EGR Valve AEY76-88	xx, xX
				TOT80671	RGA50-35		xx, xY
	NISSAN E REGULAR BED (11.7)	M5		Control Unit MECS-G325	Control Unit MECS-G325		xx, xE
	NISSAN E LONG BED (12.2)						xx, xF
	NISSAN E KING CAB (10.9)						3250
NISSAN XE KING CAB (10.9)							

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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Evaporative Family: TBI-1 Engine Type: In-line 4, OHC

Liters (CID): 2.4 (145.8)

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Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor

Exhaust Emission Control System

AIP-Air Injection-Pump
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 EM-Engine Modification
 OC-Oxidation Catalyst System
 SPL-Smoke Puff Limiter or Throttle Delay
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 EIC-Electronic Injection Control
 TWC-Three-Way Catalyst System
 ECC-Electronic Control Carburetor
 ECCS-Electronic Concentrated Control System
 OS-Oxygen Sensor
 HOS-Heated Oxygen Sensor
 WUOC-Warm-Up Oxidation Catalyst
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CCV-Combustion Chamber Valve
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 OBD-On-Board Diagnostics
 MFI-Mechanical Fuel Injection

VEHICLE MODELS:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AZ24ICA2	NISSAN E REGULAR BED NISSAN E LONG BED NISSAN E KING CAB NISSAN XE KING CAB	4-speed Automatic
BZ24ICA2	NISSAN E REGULAR BED NISSAN E LONG BED NISSAN E KING CAB NISSAN XE KING CAB	4-Speed Automatic

Engine: Front X Mid. _____ Rear _____

Drive : FWD _____ RWD X 4WD Full Time _____ 4WD Part Time _____

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Passenger Cars Light-Duty Trucks X Medium-Duty Vehicles Gas X Diesel

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5FAC9
 Litter (CID): 2.4 (145.8) Eng. Type: In-line 4, OHC
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst *** Part No.		
AZ24ICA2	NISSAN E REGULAR BED (11.7)	L4	3250	Distributor D4P84-04	SPI Body Assem- bly RGA50-36	EGR Valve AEY70-88	xx, xX		
	NISSAN E LONG BED (12.2)						xx, xY		
	NISSAN E KING CAB (10.9)		3375	Control Unit MECS-G335	Control Unit MECS-G335	xx, xE			
	NISSAN XE KING CAB (10.9)					xx, xF			
BZ24ICA2	NISSAN E REGULAR BED (11.7)		3125						
	NISSAN E LONG BED (12.2)						3250		
	NISSAN E KING CAB (10.9)		3375						
	NISSAN XE KING CAB (10.9)								

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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